

FYI

Ex. 6 - Personal Privacy

metal results/Yeager (for internal use only)

Angela McFadden to: KarenD Johnson, Victoria Binetti, Jon Capacasa, Linda Boornazian, Ron Borsellino, Karen Melvin, Dennis Carney  
Cc: Allison Gardner, Peter Gold

11/02/2012 03:03 PM

regarding Ex. 5 - Personal Privacy v. PADEP and related letter to PADEP from plaintiff's counsel

----- Forwarded by Angela McFadden/R3/USEPA/US on 11/02/2012 03:00 PM -----

From: Lora Werner/R3/USEPA/US  
To: Angela McFadden/R3/USEPA/US@EPA  
Cc: pomales.ana@epa.gov, helverson.robert@epa.gov, markiewicz.karl@epa.gov  
Date: 11/02/2012 02:53 PM  
Subject: FW: Ex. 6 - Personal Privacy metal results/Yeager (for internal use only)

Hi, Angela

Ana reviewed the results for Ex. 6 - Personal Privacy as summarized in the letter from the law firm to PADEP that you shared, and I discussed this info with Karl. As Ana summarizes below, none of the results were above health-based comparison values (CVs) except for cobalt, which was higher than a screening value for a child. We don't have screening values for silicon, tin, or titanium. As far as the silicon results go, the concentration in his water is similar to the range seen in the historic (pre-EPA) Dimock samples, and is many times lower than the mean daily intakes of silicon identified by the FDA Total Diet Study, so we don't expect it to be a level of public health concern (note we have very little info on children's exposures and silicon, however).

So, no red flags for health concern from what we could see in this brief review.

Lora

Lora Siegmann Werner, MPH

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Regional Director  
Agency for Toxic Substances and Disease Registry (ATSDR)/Centers for Disease Control and Prevention (CDC), Region 3  
Department of Health and Human Services  
1650 Arch Street, 3HS00, Philadelphia, PA 19103  
phone: 215-814-3141, fax: 215-814-3003  
cell: 215-588-9778  
email: lkw9@cdc.gov

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----- Forwarded by Lora Werner/R3/USEPA/US on 11/02/2012 02:34 PM -----

From: Ana Pomales/R3/USEPA/US  
To: Werner.Lora@epamail.epa.gov  
Date: 11/02/2012 02:34 PM  
Subject: Ex. 6 - Personal Privacy metal Results

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Hi Lora

Based on the results reported on the letter, cobalt concentrations were the only ones above a CV. There was a hit for 204 ppb and the child EMEG is 100. However, I wasn't able to screen for silicon, tin or titanium. The spreadsheet you gave me does not have CVs for those. Are these in any documents? Please let me know and I'll check.

Ana

Metal	Concentration mg/L	PPB				CV
Silicon	3.98	3,980		4,050	6,010	n/a
Tin	0.002.0 or 0.002?	2,000 (if it's 2, can't tell from report)				n/a
Titanium	0.002	2				n/a
Cobalt	0.204	204				Intermediate EMEG Child = 100 ppb; Int
Copper	0.008	8				Intermediate/Acute EMEG Child = 100 p
Boron	0.245	245		180		2,000/7,000
Aluminum	0.013	13				10,000 ppb; Chronic/Intermediate EMEG
Nickel	0.004	4				200 ppb
Lithium	0.006	6				
Molybdenum	0.013	13				RMEG Child = 50 ppb; RMEG Adult = 180
Zinc	0.011, 0.008	11		8		3,000 / 1